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(54) Title: DRIVE BELT FOR A PASSENGER CONVEYOR

(57) Abstract: A passenger conveyor system (20) includes a drive module (40) that engages a step chain (30) to move steps (22) as desired. A non-metallic drive belt (50) includes a unique configuration of teeth (60) that engage teeth (70, 80) of the step chain (30). In one example, the drive belt teeth (60) include a projection (64) that provides the initial engagement point with the step chain teeth (70, 80). In another example, the teeth (60) include a generally concave step chain link teeth engaging surface (62). The inventive arrangement provides smoother, quieter system operation and minimizes the separating forces that otherwise tend to occur between the belt and the step chain links.

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